--8. (New) A wireless communication apparatus connected to a host unit via a connection mechanism, said wireless communication apparatus comprising:

a processing mechanism;

a transmitter mechanism coupled to said processing mechanism and configured to transmit wireless pulse data signals across a direct wireless link;

a receiver mechanism configured to receive wireless pulse data signals from said direct wireless link;

a filter mechanism coupled to said receiver mechanism and configured to filter out interference and noise signals from said received wireless pulse data signals in order to allow said host unit to receive and process said received wireless pulse data signals intended therefore,

a signal conversion mechanism coupled to said processing mechanism and configured to convert information signals originated from said host unit into said transmit wireless pulse data signals and to convert said received wireless pulse data signals into said information signals destined for said host unit; and

at least one port for connecting to said host unit via said connection mechanism,

wherein said direct wireless link is established between wireless communication apparatuses and accommodates the direct transmission and reception of said wireless pulse data signals between said wireless communication apparatuses, without the use of intermediate active transmission systems.

9. (New) The wireless communication apparatus of Claim 8, further including,

a protocol for controlling data conveyed by said information signals destined to and originating from said host unit,

wherein said conversion mechanism converts said received wireless pulse data signals into an alpha-numeric character code including control characters, and

wherein said conversion mechanism converts said alpha-numeric character codes received from said host unit into said transmit wireless pulse data signals.

10. (New) The wireless communication apparatus of Claim 9, further including said connection to said host unit being operative on an intermittent basis in order to enable said host unit to communicate with other network connections.

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11. (New) The wireless communication apparatus of Claim 10, further including being portable and connectable to said host unit via standard I/O ports, without the use of wireless communication programs.

12. (New) The wireless communication apparatus of Claim 9, further including said host unit controlling when and to what extent said connection to said host unit is operative in order to enable said host unit to communicate with other network connections.

13. (New) The wireless communication apparatus of Claim 12, further including being portable and connectable to said host unit via standard I/O ports, without the use of wireless communication programs.

14. (New) The wireless communication apparatus of Claim 9, further including being the sole communication path for said host unit to achieve external communications.

15. (New) The wireless communication apparatus of Claim 14, further including being portable and connectable to said host unit via standard I/O ports, without the use of wireless communication programs.

16. (New) The wireless communication apparatus of Claims 11, 13, or 15, further including being integrated with said host unit via said connection mechanism.

17. (New) A wireless communication system connected to a host unit via a connection mechanism, said wireless communication apparatus comprising:

a first host unit;

a first wireless communication device coupled to said first host unit via a first connection mechanism, said first wireless communication device including a first transmitter mechanism configured to transmit wireless pulse data signals, a first receiver mechanism configured to receive wireless pulse data signals, a first filter configured to filter out interference and noise signals from said received wireless pulse data signals, and a first signal conversion mechanism configured to convert information signals originating from said first host unit into said transmit wireless pulse data signals and to convert said received wireless pulse data signals into said information signals destined for said first host unit;

a second host unit;

a second wireless communication device coupled to said second host unit via a second connection mechanism, said second wireless communication device including a second transmitter mechanism configured to transmit wireless pulse data signals, a second receiver mechanism configured to receive wireless pulse data signals, a second filter configured to filter out interference and noise signals from said received wireless pulse data signals, and a second signal conversion mechanism configured to convert information signals originating from said second host unit into said transmit wireless pulse data signals and to convert said received wireless pulse data signals into said information signals destined for said second host unit;

wherein said first wireless communication device and said second wireless communication device communicate directly across a direct wireless link, said direct wireless link being established between said first and second wireless communication devices and accommodating the direct transmission and reception of said wireless pulse data signals between said between said first and second wireless communication devices, without the use of intermediate active transmission systems.

18. (New) The wireless communication system of Claim 17, wherein each of said first and second wireless communication devices further includes a protocol for controlling data conveyed by said information signals destined to and originating from said first and second host unit, respectively,

wherein each of said first and second conversion mechanisms converts said received wireless pulse data signals into an alpha-numeric character code including control characters, and

wherein each of said first and second conversion mechanisms converts said alpha-numeric character codes received from respective first and second host units into said transmit wireless pulse data signals.

19. (New) The wireless communication system of Claim 18, wherein each of said first and second connection mechanisms is operative on an intermittent basis in order to enable each of said first and second host units to communicate with other network connections.

20. (New) The wireless communication system of Claim 19, wherein each of said first and second wireless communication devices is portable and respectively connectable to said first and second host units via standard I/O ports, without the use of wireless communication programs.

21. (New) The wireless communication system of Claim 19, wherein each of said first and second connection mechanisms is respectively controlled by said first and second host units in order to enable said first and second host units to communicate with other network connections.

22. (New) The wireless communication system of Claim 20, wherein each of said first and second wireless communication devices is portable and respectively connectable to said first and second host units via standard I/O ports, without the use of wireless communication programs.

23. (New) The wireless communication apparatus of Claim 9, wherein said direct wireless link between said first and second wireless communication devices is the sole communication path for each said first and second host units to communicate.

24. (New) The wireless communication system of Claim 20, wherein each of said first and second wireless communication devices is portable and respectively connectable to said first and second host units via standard I/O ports, without the use of wireless communication programs.

25. (New) The wireless communication system of Claims 11, 13, or 15, wherein each of said first and second wireless communication devices is respectively integrated with said first and second host units via said first and second connection mechanisms.